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(54) MOTOR OPERATED TOOTH BRUSH

(57) Abstract:

PURPOSE: To provide a simple-structure and inexpensive motor operated tooth brush that has a higher tooth brushing ability by giving reciprocating motion to an attachment which has a brush and rotational motion to a brush which is connected to the attachment.

CONSTITUTION: First and second drive shafts 8 and 9 are supported within a case 1 so that they can move freely in the longitudinal direction, and the rotation of a drive motor 2 within the case 1 is converted into two reciprocating motions that moves in different directions each other by first motion conversion mechanisms 41, 42, 71, and 72 and is transmitted to second drive shafts 8 and 9. The first drive shaft 8 is connected to an attachment 10 which has a rotatable brush 11 at its head so that the brush can rotate freely. The longitudinal reciprocating motion of the first and

second drive shafts 8 and 9 are converted into a rotational motion by second motion conversion mechanisms 13 and 15a and is transmitted to the rotatable brush 11.

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